Mouse CEACAM-2
Alexa Fluor® 647-conjugated Antibody

Monoclonal Rat IgG_1 Clone # 935610

Catalog Number: FAB9214R

100 µg, 25 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CEACAM-2 in direct ELISAs. Stains mouse CEACAM-2 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Rat IgG_1 Clone # 935610
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CEACAM-2 Gln35-Asp422 Accession # Q925P2
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

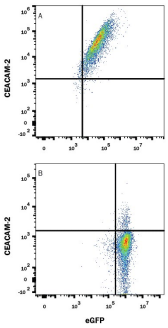
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.1 µg/10^6 cells	See Below

DATA

Flow Cytometry



Detection of CEACAM-2 in HEK293 Human Cell Line Transfected with Mouse CEACAM-2 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with either (A) mouse CEACAM-2 or (B) irrelevant transfectants and eGFP was stained with 0.1 µg Rat Anti-Mouse CEACAM-2 Alexa Fluor® 647-conjugated Monoclonal Antibody (Catalog # FAB9214R). Quadrant markers were set based on control antibody staining (Catalog # IC005R). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CEACAM2 is a member of the family of carcinoembryonic antigen-related cell adhesion molecules. CEACAM2 controls energy balance and peripheral insulin action. It is involved in the regulation of feeding behavior particularly in the ventromedial nucleus of hypothalamus (VMH) regulation of food intake. Alternatively spliced transcripts encoding different proteins have been described.

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